

# WEST Search History

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DATE: Tuesday, October 17, 2006

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	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/>	L29	6083540.pn.	2
<input type="checkbox"/>	L28	(yates kenneth or ni yawei or Zarzycki Ryszard).in. and pectin.clm. and excipient	3
<input type="checkbox"/>	L27	(yates kenneth or ni yawei or Zarzycki Ryszard).in. and pectin.clm. and excipient	3
<input type="checkbox"/>	L26	(yates kenneth or ni yawei or Zarzycki Ryszard).in. and (pectin.clm. and NASAL OR MUCOSA\$)	8
<input type="checkbox"/>	L25	(yates kenneth or ni yawei or Zarzycki Ryszard).in. and pectin.clm. and solid	10
<input type="checkbox"/>	L24	(yates kenneth or ni yawei or Zarzycki Ryszard).in. and pectin.clm. and molecular level	1
<input type="checkbox"/>	L23	(yates kenneth or ni yawei or Zarzycki Ryszard).in. and pectin.clm. and (thickener or polyvinylpyrrolidone or pvp)	6
<input type="checkbox"/>	L22	(yates kenneth or ni yawei or Zarzycki Ryszard).in. and pectin.clm. and (binder or filler or bulk\$ or lubricant or flavor or taste)	8
<input type="checkbox"/>	L21	(yates kenneth or ni yawei or Zarzycki Ryszard).in. and pectin.clm. and (aluminum or Al or calcium phosphate or Ca2po4)	10
<input type="checkbox"/>	L20	(yates kenneth or ni yawei or Zarzycki Ryszard).in. and pectin.clm. and (solubl\$ or solubil\$)	10
<input type="checkbox"/>	L19	(yates kenneth or ni yawei or Zarzycki Ryszard).in. and pectin.clm. and (dm or degree near1 methylation)	9
<input type="checkbox"/>	L18	(yates kenneth or ni yawei or Zarzycki Ryszard).in. and pectin.clm. and (dm or degree of methylation)	9
<input type="checkbox"/>	L17	(yates kenneth or ni yawei or Zarzycki Ryszard).in. and pectin.clm. and (microparticle or microsphere)	2
<input type="checkbox"/>	L16	(yates kenneth or ni yawei or Zarzycki Ryszard).in. and pectin.clm. and powder	10
<input type="checkbox"/>	L15	(yates kenneth or ni yawei or Zarzycki Ryszard).in. and pectin and powder	12
<input type="checkbox"/>	L14	(yates kenneth or ni yawei or Zarzycki Ryszard).in. and pectin	13
<input type="checkbox"/>	L13	(yates kenneth or ni yawei or Zarzycki Ryszard).in.	37
<input type="checkbox"/>	L12	5929051.pn.	2
<input type="checkbox"/>	L11	(4835142 or 5942242).pn. and (polyvinylpyrrolidone or poly vinylpyrrolidone or polyvinyl pyrrolidone or poly vinyl pyrrolidone)	2
<input type="checkbox"/>	L10	6518239.pn. and vaccin\$	1
<input type="checkbox"/>	L9	5,929,051.pn. and vaccin\$	1
<input type="checkbox"/>	L8	5,929,051.pn.	2
<input type="checkbox"/>	L7	5,929,051.pn. and polyvinyl\$	0
<input type="checkbox"/>	L6	5,929,051.pn. and thickener	0
<input type="checkbox"/>	L5	5612053.pn.	2
<input type="checkbox"/>	L4	5612053.pn. and polyvinyl\$	0
<input type="checkbox"/>	L3	L1 and thickener	0
<input type="checkbox"/>	L2	5,929,051.pn. and (inhal\$ or lung)	0
<input type="checkbox"/>	L1	5612053.pn.	2

(FILE 'HOME' ENTERED AT 15:20:21 ON 16 OCT 2006)

FILE 'MEDLINE' ENTERED AT 15:20:34 ON 16 OCT 2006

L1           3 SEA PLU=ON GELATION (5A) VIVO  
             D BIB AB 1-3

(FILE 'HOME' ENTERED AT 12:15:11 ON 03 OCT 2006)

FILE 'MEDLINE' ENTERED AT 12:15:32 ON 03 OCT 2006

L1        74 SEA PLU=ON CARRAGEENAN AND GEL AND (CATION? OR ION? OR  
          METAL?)  
          D TI 40-74  
          D BIB AB 68 65 64 45 44

FILE 'STNGUIDE' ENTERED AT 12:18:41 ON 03 OCT 2006

FILE 'MEDLINE' ENTERED AT 12:23:26 ON 03 OCT 2006

L2        47 SEA PLU=ON CARRAGEENAN AND (MICROSPHERE OR MICROPARTICLE OR  
          NANOSPHERE OR NANOPARTICLE)  
L3        18 SEA PLU=ON L2 AND (SIZE OR DIAMETER)  
          D BIBI AB 12-18  
          D BIB AB 5-11

FILE 'STNGUIDE' ENTERED AT 12:26:46 ON 03 OCT 2006

L4        0 SEA PLU=ON L2 AND (MICRON OR NANOMETER)

FILE 'MEDLINE' ENTERED AT 12:32:12 ON 03 OCT 2006

L5        7 SEA PLU=ON L2 AND (MICRON OR NANOMETER)  
          D BIB AB 1-4

# SEARCH NOTES

Application/Control Number: 10/652,622

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S26091 U PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD ((polyvinylpyrrolidone 2006-  
or poly vinylpyrrolidone 10-17  
or polyvinyl pyrrolidone 09:12:59  
or poly vinyl  
pyrrolidone or dextran  
or polyvinylpyrrolidone  
or  
carboxymethylcellulose  
or collagen or gelatin  
or hyaluron\$ or  
carboxymethyl  
cellulose or carboxy  
methylcellulose or  
carboxy methyl  
cellulose ) same  
powder and (inhal\$ or  
nasal).clm. and  
powder.clm. ) and  
(polyvinylpyrrolidone or  
poly vinylpyrrolidone or  
polyvinyl pyrrolidone or  
poly vinyl pyrrolidone )

S26090 U PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD ((polyvinylpyrrolidone 2006-  
or poly vinylpyrrolidone 10-17  
or polyvinyl pyrrolidone 09:12:22  
or poly vinyl  
pyrrolidone or dextran  
or polyvinylpyrrolidone  
or  
carboxymethylcellulose  
or collagen or gelatin  
or hyaluron\$ or  
carboxymethyl  
cellulose or carboxy  
methylcellulose or  
carboxy methyl  
cellulose ) same  
powder ) and (inhal\$ or  
nasal).clm. and  
powder.clm.

S26089 U PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD ((polyvinylpyrrolidone 2006-  
or poly vinylpyrrolidone 10-17  
or polyvinyl pyrrolidone 09:12:12

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or poly vinyl  
pyrrolidone or dextran  
or polyvinylpyrrolidone  
or  
carboxymethylcellulose  
or collagen or gelatin  
or hyaluron\$ or  
carboxymethyl  
cellulose or carboxy  
methylcellulose or  
carboxy methyl  
cellulose ) same  
powder ) and (inhal\$ or  
nasal).clm.

S26088 U PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD 5436225.pn. and 2006-  
(polyvinylpyrrolidone or 10-17  
poly vinylpyrrolidone or 09:09:59  
polyvinyl pyrrolidone or  
poly vinyl pyrrolidone )

S26087 U PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD 5436225.pn. 2006-  
10-17  
09:09:24

S26086 U PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD ((polyvinylpyrrolidone 2006-  
or poly vinylpyrrolidone 10-17  
or polyvinyl pyrrolidone 09:02:51  
or poly vinyl  
pyrrolidone or dextran  
or polyvinylpyrrolidone  
or  
carboxymethylcellulose  
or collagen or gelatin  
or hyaluron\$ or  
carboxymethyl  
cellulose or carboxy  
methylcellulose or  
carboxy methyl  
cellulose ) same  
powder and (inhal\$  
same powder) and  
(polyvinylpyrrolidone or  
poly vinylpyrrolidone or  
polyvinyl pyrrolidone or  
poly vinyl pyrrolidone )

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) and (powder same  
(carrageenan or  
carageenan or alginic  
or alginate) same  
pectin )

S26085 U PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD ((polyvinylpyrrolidone 2006-  
or poly vinylpyrrolidone 10-17  
or polyvinyl pyrrolidone 09:02:22  
or poly vinyl  
pyrrolidone or dextran  
or polyvinylpyrrolidone  
or  
carboxymethylcellulose  
or collagen or gelatin  
or hyaluron\$ or  
carboxymethyl  
cellulose or carboxy  
methylcellulose or  
carboxy methyl  
cellulose ) same  
powder and (inhal\$  
same powder) ) and  
(polyvinylpyrrolidone or  
poly vinylpyrrolidone or  
polyvinyl pyrrolidone or  
poly vinyl pyrrolidone )

S26084 U PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD ((polyvinylpyrrolidone 2006-  
or poly vinylpyrrolidone 10-17  
or polyvinyl pyrrolidone 09:02:03  
or poly vinyl  
pyrrolidone or dextran  
or polyvinylpyrrolidone  
or  
carboxymethylcellulose  
or collagen or gelatin  
or hyaluron\$ or  
carboxymethyl  
cellulose or carboxy  
methylcellulose or  
carboxy methyl  
cellulose ) same  
powder ) and (inhal\$  
same powder)

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S26083 U PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD (polyvinylpyrrolidone or 2006-  
poly vinylpyrrolidone or 10-17  
polyvinyl pyrrolidone or 09:01:19  
poly vinyl pyrrolidone  
or dextran or  
polyvinylpyrrolidone or  
carboxymethylcellulose  
or collagen or gelatin  
or hyaluron\$ or  
carboxymethyl  
cellulose or carboxy  
methylcellulose or  
carboxy methyl  
cellulose ) same  
powder

S26082 U PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD (thickener same 2006-  
(polyvinylpyrrolidone or 10-17  
poly vinylpyrrolidone or 08:59:13  
polyvinyl pyrrolidone or  
poly vinyl pyrrolidone) )  
and (inhal\$ same  
powder)

S26081 U PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD (thickener same 2006-  
(polyvinylpyrrolidone or 10-17  
poly vinylpyrrolidone or 08:57:50  
polyvinyl pyrrolidone or  
poly vinyl pyrrolidone) )  
and (inhal\$ and  
powder same  
(carrageenan or  
carageenan or alginic  
or alginate) same  
pectin and (powder  
same inhal\$) )

S26080 U PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD (thickener same 2006-  
(polyvinylpyrrolidone or 10-17  
poly vinylpyrrolidone or 08:57:02  
polyvinyl pyrrolidone or  
poly vinyl pyrrolidone) )

S26079 U USPT thickener same 2006-  
(polyvinylpyrrolidone or 10-17  
poly vinylpyrrolidone or 08:56:52  
polyvinyl pyrrolidone or

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<u>S26078</u> <u>U</u> USPT	poly vinyl pyrrolidone) (vaccine.clm. and inhal\$.clm. ) and dry powder	2006- 10-17 08:50:28
<u>S26077</u> <u>U</u> USPT	(vaccine.clm. and inhal\$.clm. )	2006- 10-17 08:49:41
<u>S26076</u> <u>U</u> PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD	vaccine.clm. and inhal\$.clm.	2006- 10-17 08:49:35
<u>S26075</u> <u>U</u> PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD	inhal\$ and (powder same (carrageenan or carageenan or alginic or alginate) same pectin ) and (powder same inhal\$)	2006- 10-17 08:39:53
<u>S26074</u> <u>U</u> PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD	powder same (carrageenan or carageenan or alginic or alginate) same pectin same polysaccharide gum	2006- 10-17 08:36:49
<u>S26073</u> <u>U</u> PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD	inhal\$ and (powder same (carrageenan or carageenan or alginic or alginate) same pectin )	2006- 10-17 08:36:13
<u>S26072</u> <u>U</u> PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD	powder same (carrageenan or carageenan or alginic or alginate) same pectin	2006- 10-17 08:35:58
<u>S26071</u> <u>U</u> PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD	(5612053.pn. ) and liquid	2006- 10-17 08:14:27
<u>S26070</u> <u>U</u> PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD	(5612053.pn. ) and (dextran or polyvinylpyrrolidone or carboxymethylcellulose or collagen or gelatin or hyaluron\$ or carboxymethyl	2006- 10-17 08:06:22



	cellulose or carboxy methylcellulose or carboxy methyl cellulose )	
<u>S26069</u> <u>U</u> PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD 5612053.pn.		2006- 10-17 07:37:06
<u>S26068</u> <u>U</u> PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD (6777000.pn. ) and (size or diameter)		2006- 10-17 07:28:42
<u>S26067</u> <u>U</u> PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD (6777000.pn. ) and size or diameter		2006- 10-17 07:28:29
<u>S26066</u> <u>U</u> PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD (6777000.pn. and powder ) and sieve		2006- 10-17 07:28:00
<u>S26065</u> <u>U</u> PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD (6777000.pn. ) and powder		2006- 10-17 07:27:50
<u>S26064</u> <u>U</u> PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD 6777000.pn.		2006- 10-17 07:27:37
<u>S26063</u> <u>U</u> PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD ((gel same powder) and (micron same powder same diameter) and (pectin or alginate or alginic or gellan or carrageenan or polygalacturon\$)) and ((cation\$2 or metal\$3) same (cross link\$3 or crosslink\$3)) and vaccin\$		2006- 10-17 07:24:54
<u>S26062</u> <u>U</u> PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD ((gel same powder) and (micron same powder same diameter) and (pectin or alginate or alginic or gellan or carrageenan or polygalacturon\$)) and ((cation\$2 or metal\$3) same (cross		2006- 10-17 07:24:38

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	link\$3 or crosslink\$3)) and vaccin*	
<u>S26061</u> <u>U</u> PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD	((gel same powder) and (micron same powder same diameter) and (pectin or alginate or alginic or gellan or carrageenan or polygalacturon\$)) and ((cation\$2 or metal\$3) same (cross link\$3 or crosslink\$3))	2006- 10-17 06:57:53
<u>S26060</u> <u>U</u> PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD	((gel same powder) and (micron same powder same diameter) and (pectin or alginate or alginic or gellan or carrageenan or polygalacturon\$)) and (cation\$ same (cross link\$ or crosslink\$))	2006- 10-17 06:56:57
<u>S26059</u> <u>U</u> PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD	(gel same powder) and (micron same powder same diameter) and (pectin or alginate or alginic or gellan or carrageenan or polygalacturon\$)	2006- 10-16 15:30:41
<u>S26058</u> <u>U</u> PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD	(gel same powder) and (micron same powder same diameter)	2006- 10-16 15:29:56
<u>S26057</u> <u>U</u> PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD	((4978528).pn. ) and powder	2006- 10-16 15:28:40
<u>S26056</u> <u>U</u> PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD	(4978528).pn.	2006- 10-16 15:28:29
<u>S26055</u> <u>U</u> PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD	(5958433 or 6432440 or 6342251).pn.	2006- 10-16 15:25:37
<u>S26054</u> <u>U</u> PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD	20050084534 .pn. and	2006-

	gel-inducing	10-16 15:22:42
<u>S26053</u> <u>U</u> PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD 20050084534 .pn. and	(carrageenan or gellan)	2006- 10-16 15:17:39